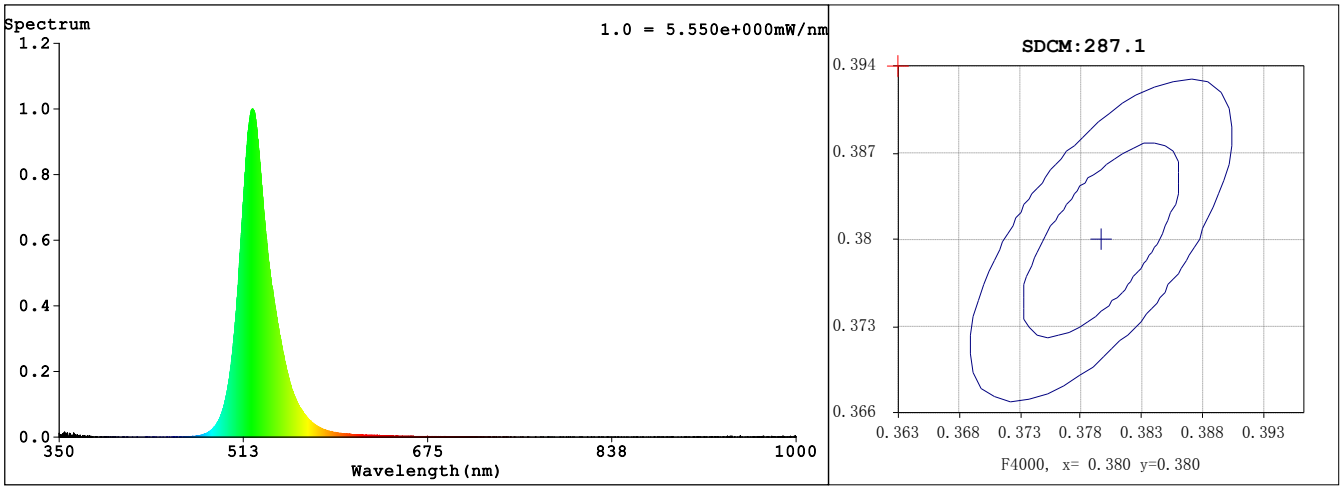
Spectrum Test Report

Sample	:	Date	: 2025-07-21
Specification	: S010030CA4SA1 G	Sam. Status	: 1M
Sample No.	: 10104-0995-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 53019 (81%)
Test Mode	: Fast Test	T	: 1052 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.1727 y = 0.7388 / u' = 0.0600 v' = 0.5772 (duv=1.58e-01)

CCT= 7712K Prcp WL: Ld=528.6nm Purity=84.7%

Peak WL: Lp=521nm FWHM: =27.6nm Ratio:R=0.5% G=98.3% B=1.2%

Render Index: Ra = 0.0 TM30:Rf=1 Rg=6

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=33 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.9

Photometric & Radiometric Parameters

Flux = 94.336 lm Eff. : 58.85 lm/W Fe = 189.49 mW

EEI: 0.12172 A+

EEC: 58.8 G

Electrical parameters

V = 5.000 V I = 0.3206 A P = 1.603 W PF = 1.000

Freq=0.00 Hz

GBT5702

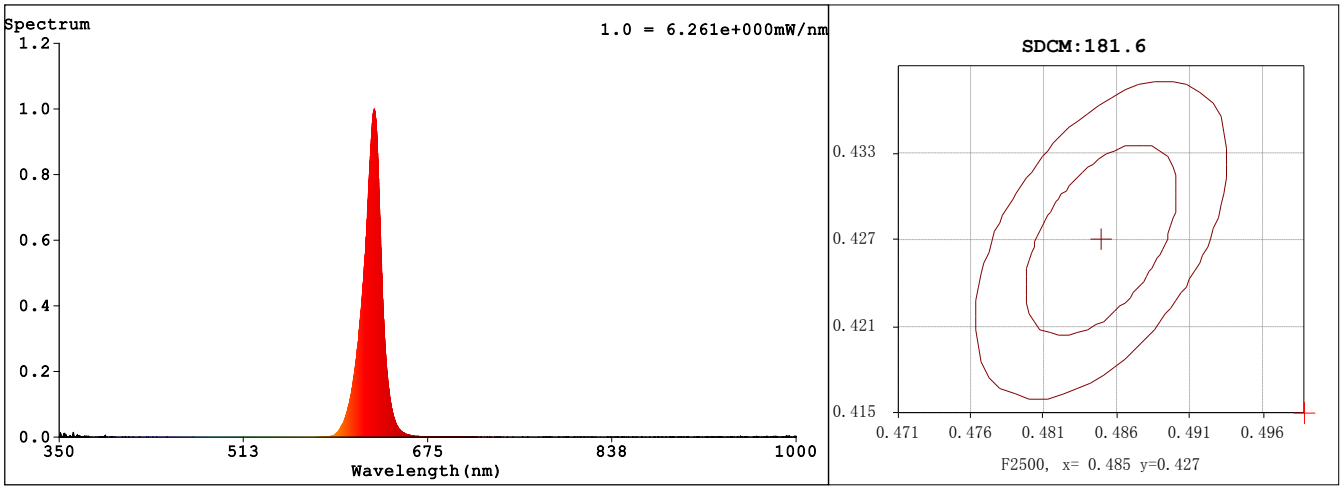
Spectrum Test Report

Sample	:	Date	: 2025-07-21
Specification	: S010030CA4SA1 R	Sam. Status	: 1M
Sample No.	: 10104-0995-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 49909 (76%)
Test Mode	: Fast Test	T	: 1052 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.6931 y = 0.3067 / u' = 0.5237 v' = 0.5214 (duv=-7.62e-02)

CCT= 1001K Prcp WL: Ld=620.8nm Purity=100.0%

Peak WL: Lp=628nm FWHM: =15.7nm Ratio:R=98.2% G=1.8% B=0.0%

Render Index: Ra = 23.9 TM30:Rf=1 Rg=22266777969024564000000000000000000

R1 =1 R2 =77 R3 =23 R4 =0 R5 =0 R6 =90 R7 =0

R8 =0 R9 =0 R10=70 R11=0 R12=78 R13=26 R14=55 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.5

Photometric & Radiometric Parameters

Flux = 25.977 lm Eff. : 15.99 lm/W Fe = 119.29 mW

EEI: 0.28213 B

EEC: 16.0 G

Electrical parameters

V = 5.000 V I = 0.3249 A P = 1.625 W PF = 1.000

Freq=0.00 Hz

GBT5702

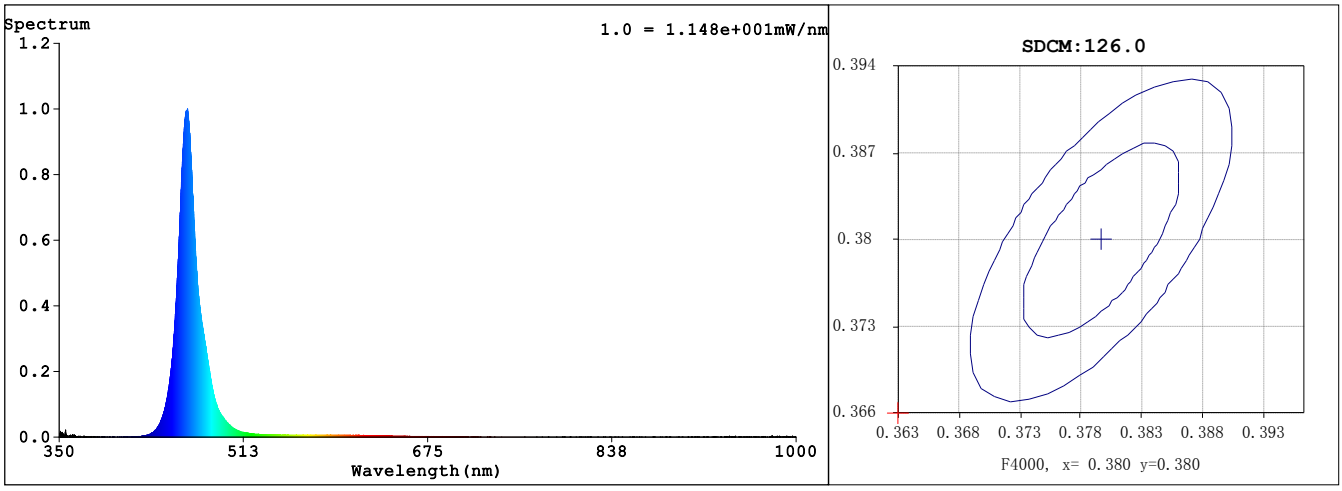
Spectrum Test Report

Sample	:	Date	: 2025-07-21
Specification	: S010030CA4SA1 B	Sam. Status	: 1M
Sample No.	: 10104-0995-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 41592 (63%)
Test Mode	: Fast Test	T	: 526 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.1435 y = 0.0646 / u' = 0.1645 v' = 0.1667 (duv=-1.56e-01)

CCT>=100000K Prcp WL: Ld=467.2nm Purity=93.7%

Peak WL: Lp=463nm FWHM: =17.0nm Ratio:R=3.5% G=25.3% B=71.2%

Render Index: Ra = 9.4 TM30:Rf=0 Rg=254

R1 =33	R2 =0	R3 =0	R4 =0	R5 =42	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=13	R14=0	R15=32

LEVEL:OUT

TLCI Parameters: TLCI = 3.6

Photometric & Radiometric Parameters

Flux = 19.708 lm Eff. : 12.32 lm/W Fe = 265.68 mW

EEI: 0.32840 B

EEC: 12.3 G

Electrical parameters

V = 5.000 V I = 0.3200 A P = 1.600 W PF = 1.000

Freq=0.00 Hz

GBT5702

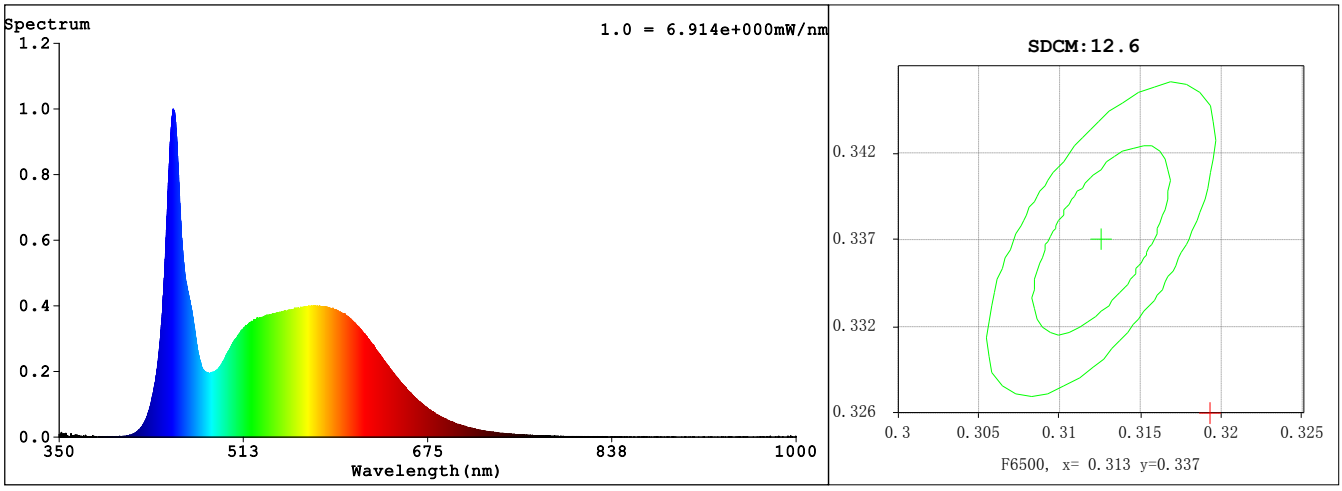
Spectrum Test Report

Sample	:	Date	: 2025-07-21
Specification	: S010030CA4SA1 6500±400K	Sam. Status	: 1M
Sample No.	: 10104-0995-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 51807 (79%)
Test Mode	: Fast Test	T	: 1213 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3197 y = 0.3256 / u' = 0.2040 v' = 0.4675 (duv=-2.09e-03)

CCT= 6146K Prcp WL: Ld=484.0nm Purity=5.2%

Peak WL: Lp=451nm FWHM: =18.0nm Ratio:R=14.7% G=79.8% B=5.5%

Render Index: Ra = 85.9 TM30:Rf=84 Rg=97

R1 =86 R2 =90 R3 =91 R4 =87 R5 =86 R6 =84 R7 =89

R8 =74 R9 =24 R10=76 R11=86 R12=60 R13=88 R14=95 R15=83

LEVEL:OUT

TLCI Parameters: TLCI = 73.1

Photometric & Radiometric Parameters

Flux = 179.92 lm Eff. : 63.50 lm/W Fe = 589.20 mW

EEI: 0.13740 A+

EEC: 63.5 G

Electrical parameters

V = 5.000 V I = 0.5666 A P = 2.833 W PF = 1.000

Freq=0.00 Hz

GBT5702

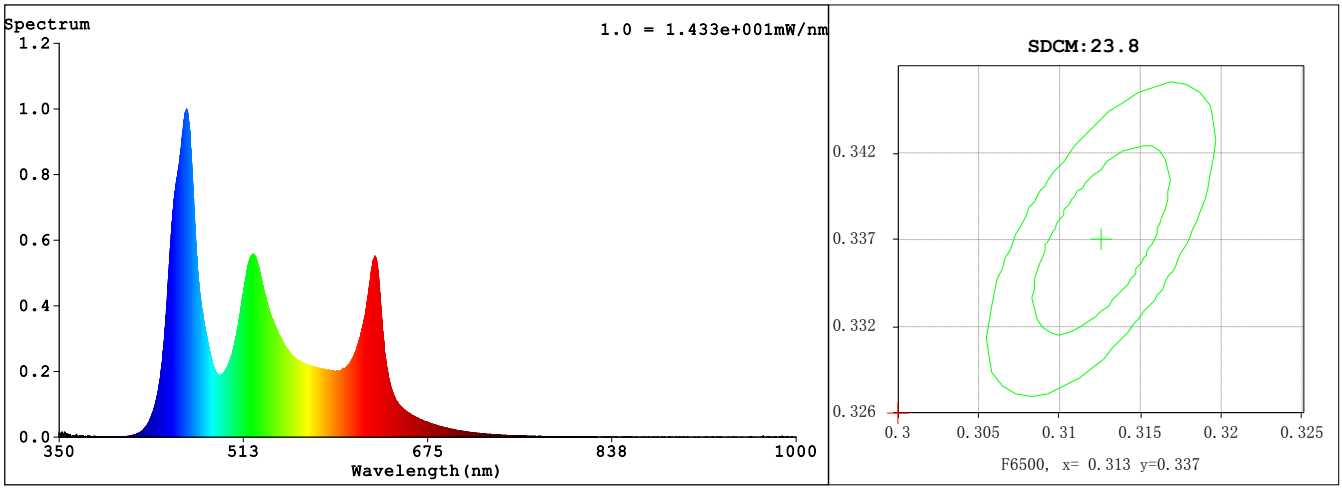
Spectrum Test Report

Sample	:	Date	: 2025-07-21
Specification	: S010030CA4SA1 Mixed	Sam. Status	: 1M
Sample No.	: 10104-0995-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 52225 (80%)
Test Mode	: Fast Test	T	: 533 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.2805 y = 0.2993 / u' = 0.1861 v' = 0.4467 (duv=5.79e-03)

CCT= 9453K Prcp WL: Ld=482.9nm Purity=20.7%

Peak WL: Lp=463nm FWHM: =25.8nm Ratio:R=16.3% G=75.8% B=7.9%

Render Index: Ra = 88.6 TM30:Rf=86 Rg=104

R1 =83 R2 =93 R3 =95 R4 =89 R5 =90 R6 =92 R7 =89

R8 =78 R9 =36 R10=87 R11=83 R12=64 R13=84 R14=94 R15=78

LEVEL:OUT

TLCI Parameters: TLCI = 87.1

Photometric & Radiometric Parameters

Flux = 317.54 lm Eff. : 49.91 lm/W Fe = 1.1528 W

EEI: 0.20365 A

EEC: 49.9 G

Electrical parameters

V = 5.000 V I = 1.272 A P = 6.362 W PF = 1.000

Freq=0.00 Hz

GBT5702

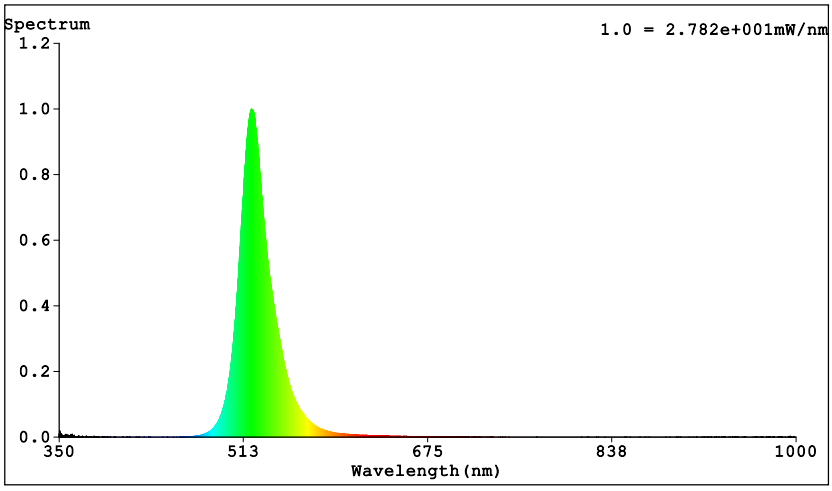
Spectrum Test Report

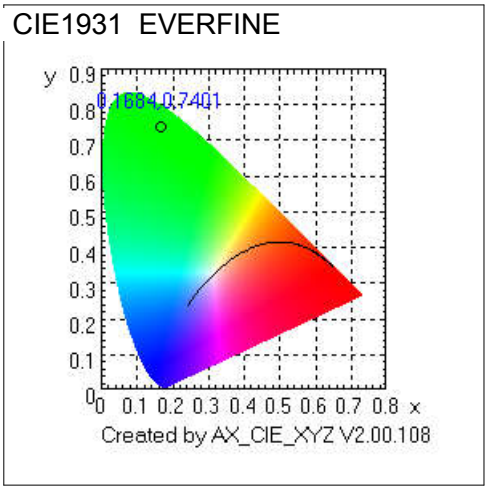
Sample	:	Date	: 2026-03-30
Specification	: S012144CA4SA1 G	Sam. Status	: 1M
Sample No.	: 10104-0646-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: DNJ

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 53693 (82%)
Test Mode	: Fast Test	T	: 227 ms
		Sensitivity	: High

Spectrum





Colorimetric Parameters

Chromaticity Coordinate: x = 0.1684 y = 0.7401 / u' = 0.0584 v' = 0.5770 (duv=1.60e-01)

CCT= 7773K Prcp WL: Ld=527.9nm Purity=84.4%

Peak WL: Lp=520nm FWHM: =27.1nm Ratio:R=0.4% G=98.3% B=1.2%

Render Index: Ra = 0.0 TM30:Rf=1 Rg=6

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=32 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.9

Photometric & Radiometric Parameters

Flux = 462.67 lm Eff. : 73.87 lm/W Fe = 934.18 mW

EEI: 0.15056 A+

EEC: 73.9 G

Electrical parameters

V = 5.000 V I = 1.253 A P = 6.263 W PF = 1.000

Freq=0.00 Hz

GBT5702

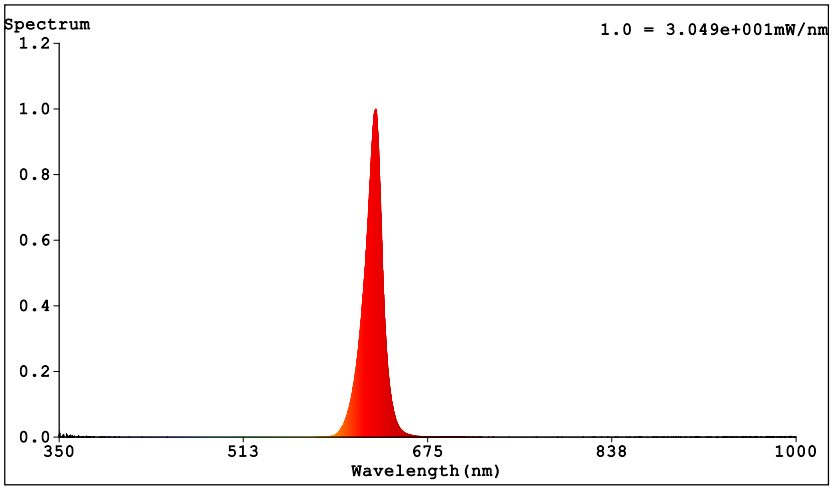
Spectrum Test Report

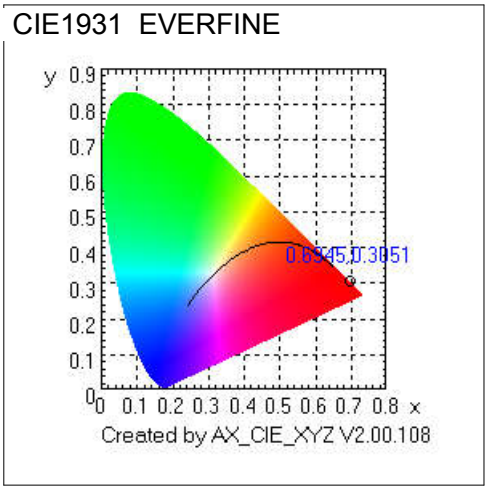
Sample	:	Date	: 2026-03-30
Specification	: S012144CA4SA1 R	Sam. Status	: 1M
Sample No.	: 10104-0646-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: DNJ

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 50009 (76%)
Test Mode	: Fast Test	T	: 227 ms
		Sensitivity	: High

Spectrum





Colorimetric Parameters

Chromaticity Coordinate: x = 0.6945 y = 0.3051 / u' = 0.5269 v' = 0.5208 (duv=-7.93e-02)

CCT= 1001K Prcp WL: Ld=621.7nm Purity=99.9%

Peak WL: Lp=629nm FWHM: =16.0nm Ratio:R=98.4% G=1.6% B=0.0%

Render Index: Ra = 23.9 TM30:Rf=1 Rg=0

R1 =1 R2 =78 R3 =23 R4 =0 R5 =0 R6 =90 R7 =0

R8 =0 R9 =0 R10=71 R11=0 R12=79 R13=27 R14=55 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.6

Photometric & Radiometric Parameters

Flux = 123.95 lm Eff. : 19.90 lm/W Fe = 585.67 mW

EEI: 0.39252 B

EEC: 19.9 G

Electrical parameters

V = 5.000 V I = 1.246 A P = 6.230 W PF = 1.000

Freq=0.00 Hz

GBT5702

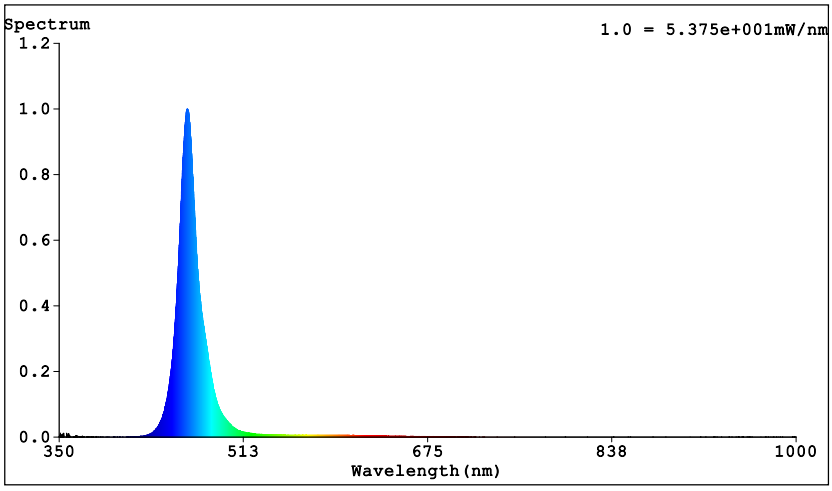
Spectrum Test Report

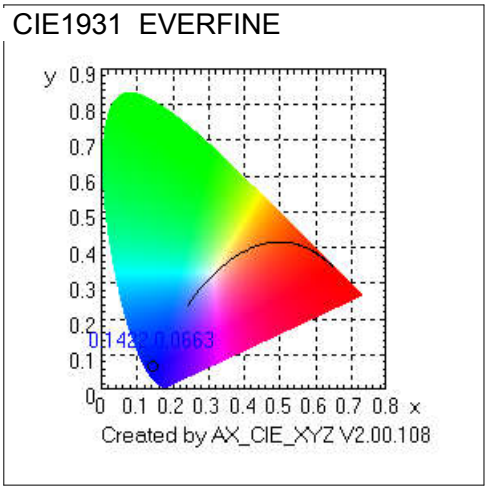
Sample	:	Date	: 2026-03-30
Specification	: S012144CA4SA1 B	Sam. Status	: 1M
Sample No.	: 10104-0646-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: DNJ

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 39248 (60%)
Test Mode	: Fast Test	T	: 113 ms
		Sensitivity	: High

Spectrum





Colorimetric Parameters

Chromaticity Coordinate: x = 0.1422 y = 0.0663 / u' = 0.1620 v' = 0.1700 (duv=-1.54e-01)

CCT>=100000K Prcp WL: Ld=467.8nm Purity=93.8%

Peak WL: Lp=463nm FWHM: =17.7nm Ratio:R=3.2% G=25.0% B=71.8%

Render Index: Ra = 8.6 TM30:Rf=0 Rg=213

R1 =30	R2 =0	R3 =0	R4 =0	R5 =39	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=11	R14=0	R15=29

LEVEL:OUT

TLCI Parameters: TLCI = 3.5

Photometric & Radiometric Parameters

Flux = 96.530 lm Eff. : 15.47 lm/W Fe = 1.2774 W

EEI: 0.46649 B

EEC: 15.5 G

Electrical parameters

V = 5.000 V I = 1.248 A P = 6.240 W PF = 1.000

Freq=0.00 Hz

GBT5702

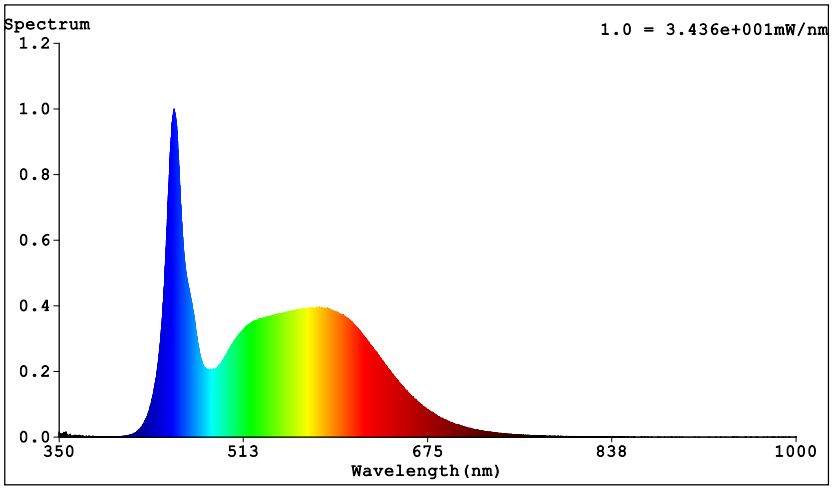
Spectrum Test Report

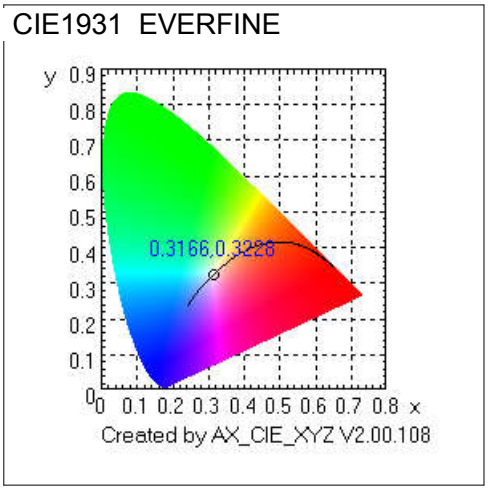
Sample	:	Date	: 2026-03-30
Specification	: S012144CA4SA1 6500±400K	Sam. Status	: 1M
Sample No.	: 10104-0646-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: DNJ

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 53324 (81%)
Test Mode	: Fast Test	T	: 267 ms
		Sensitivity	: High

Spectrum





Colorimetric Parameters

Chromaticity Coordinate: x = 0.3166 y = 0.3228 / u' = 0.2029 v' = 0.4656 (duv=-2.02e-03)

CCT= 6331K Prcp WL: Ld=483.1nm Purity=6.5%

Peak WL: Lp=451nm FWHM: =18.7nm Ratio:R=14.5% G=79.7% B=5.7%

Render Index: Ra = 86.2 TM30:Rf=84 Rg=96

R1 =86	R2 =91	R3 =92	R4 =86	R5 =86	R6 =85	R7 =89	
R8 =74	R9 =24	R10=77	R11=86	R12=60	R13=88	R14=96	R15=83

LEVEL:OUT

TLCI Parameters: TLCI = 73.1

Photometric & Radiometric Parameters

Flux = 884.77 lm Eff. : 73.09 lm/W Fe = 2.9117 W

EEI: 0.17411 A

EEC: 73.1 G

Electrical parameters

V = 5.000 V I = 2.421 A P = 12.11 W PF = 1.000

Freq=0.00 Hz

GBT5702

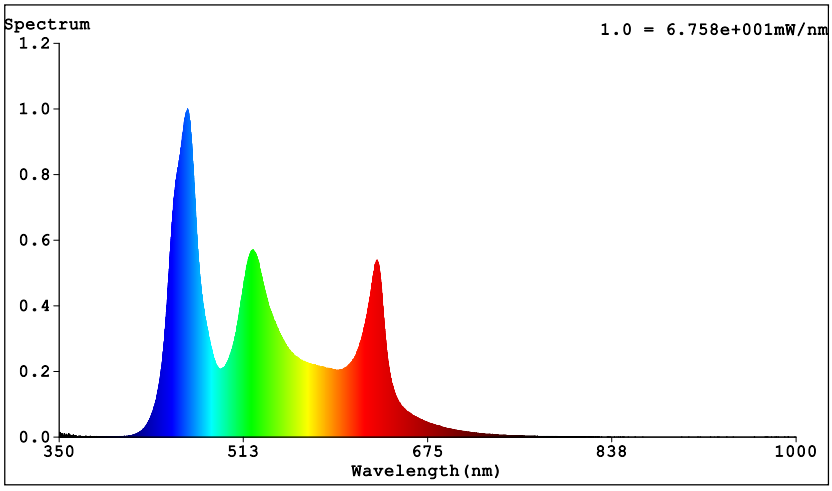
Spectrum Test Report

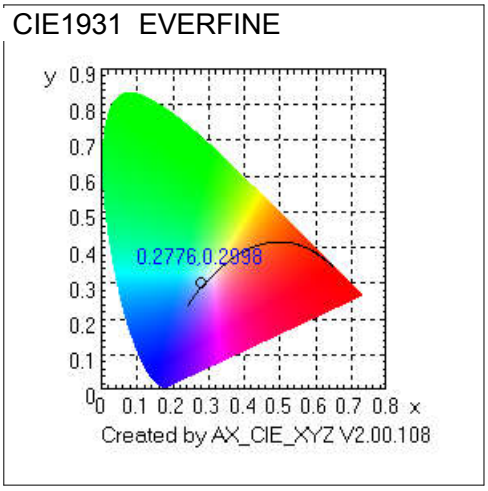
Sample	:	Date	: 2026-03-30
Specification	: S012144CA4SA1 Mixed	Sam. Status	: 1M
Sample No.	: 10104-0646-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	: iPixel LED	Test by	: DNJ

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 58079 (89%)
Test Mode	: Fast Test	T	: 133 ms
		Sensitivity	: High

Spectrum





Colorimetric Parameters

Chromaticity Coordinate: x = 0.2776 y = 0.2998 / u' = 0.1837 v' = 0.4465 (duv=7.83e-03)

CCT= 9719K Prcp WL: Ld=483.5nm Purity=21.6%

Peak WL: Lp=463nm FWHM: =26.9nm Ratio:R=15.7% G=76.1% B=8.2%

Render Index: Ra = 89.5 TM30:Rf=85 Rg=103

R1 =86 R2 =93 R3 =96 R4 =91 R5 =91 R6 =93 R7 =88

R8 =79 R9 =38 R10=86 R11=86 R12=64 R13=85 R14=95 R15=80

LEVEL:OUT

TLCI Parameters: TLCI = 86.5

Photometric & Radiometric Parameters

Flux = 1531.3 lm Eff. : 53.03 lm/W Fe = 5.5842 W

EEI: 0.25687 B

EEC: 53.0 G

Electrical parameters

V = 5.000 V I = 5.775 A P = 28.88 W PF = 1.000

Freq=0.00 Hz

GBT5702

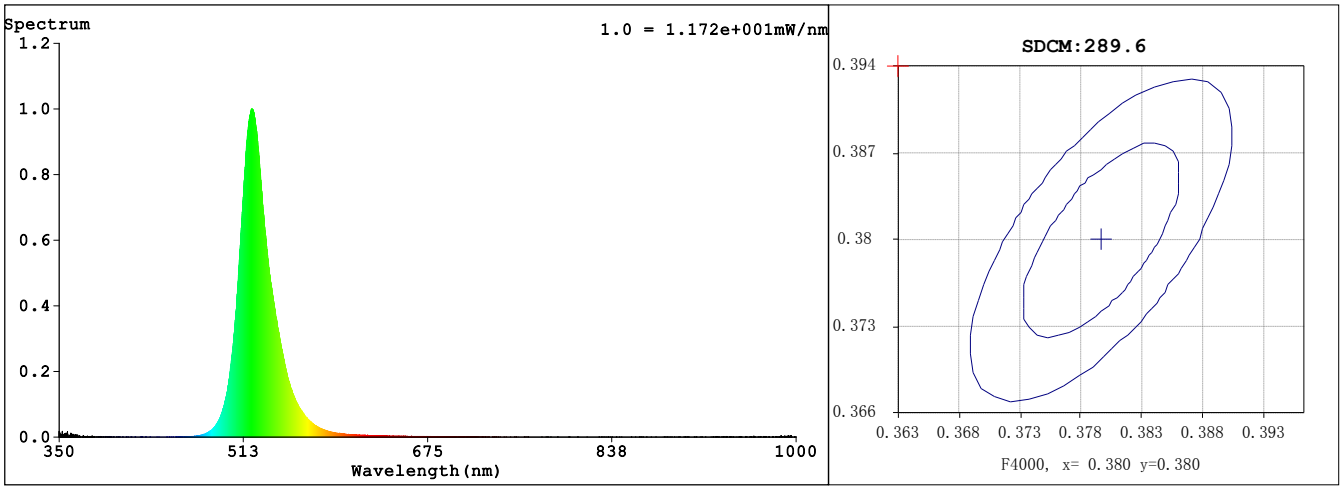
Spectrum Test Report

Sample	:	Date	: 2026-04-09
Specification	: S010060CA4SA1 G	Sam. Status	: 1M
Sample No.	: 10104-0222-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 53125 (81%)
Test Mode	: Fast Test	T	: 533 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.1696 y = 0.7403 / u' = 0.0588 v' = 0.5771 (duv=1.59e-01)

CCT= 7754K Prcp WL: Ld=528.1nm Purity=84.6%

Peak WL: Lp=520nm FWHM: =27.3nm Ratio:R=0.4% G=98.4% B=1.2%

Render Index: Ra = 0.0 TM30:Rf=1 Rg=6

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=32 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 2.8

Photometric & Radiometric Parameters

Flux = 195.82 lm Eff. : 68.67 lm/W Fe = 394.90 mW

EEI: 0.13016 A+

EEC: 68.7 G

Electrical parameters

V = 4.999 V I = 0.5704 A P = 2.852 W PF = 1.000

Freq=0.00 Hz

GBT5702

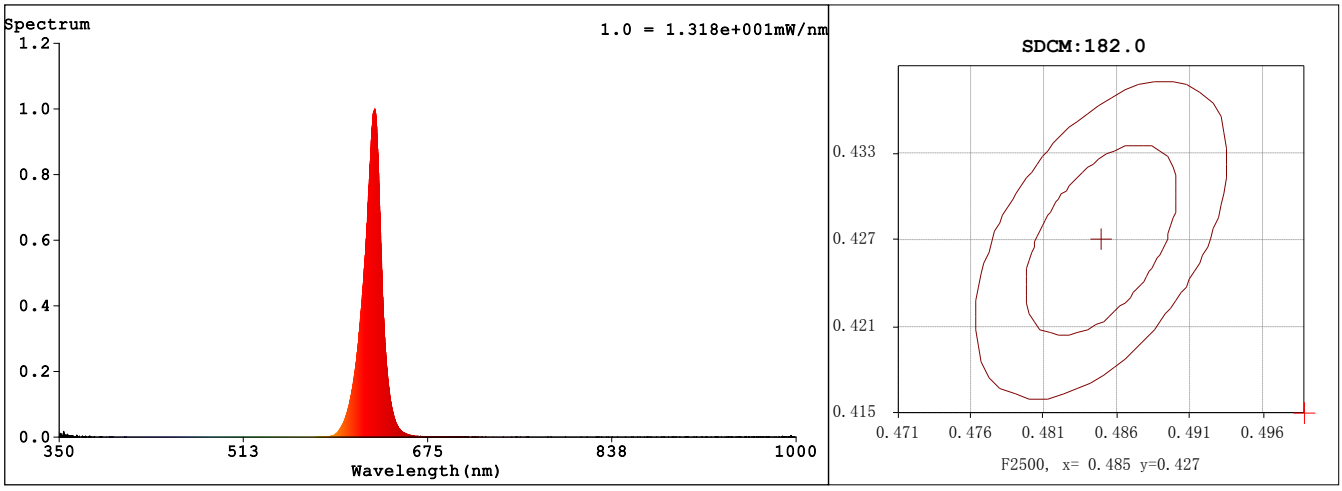
Spectrum Test Report

Sample	:	Date	: 2026-04-09
Specification	: S010060CA4SA1 R	Sam. Status	: 1M
Sample No.	: 10104-0222-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 50930 (78%)
Test Mode	: Fast Test	T	: 533 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.6935 y = 0.3063 / u' = 0.5246 v' = 0.5213 (duv=-7.70e-02)

CCT= 1001K Prcp WL: Ld=621.0nm Purity=100.0%

Peak WL: Lp=628nm FWHM: =15.7nm Ratio:R=98.2% G=1.8% B=0.0%

Render Index: Ra = 23.7 TM30:Rf=1 Rg=247006671214627640000000000000000

R1 =0 R2 =77 R3 =23 R4 =0 R5 =0 R6 =89 R7 =0

R8 =0 R9 =0 R10=70 R11=0 R12=78 R13=26 R14=55 R15=0

LEVEL:OUT

TLCI Parameters: TLCI = 1.4

Photometric & Radiometric Parameters

Flux = 54.266 lm Eff. : 19.16 lm/W Fe = 250.35 mW

EEI: 0.30981 B

EEC: 19.2 G

Electrical parameters

V = 4.999 V I = 0.5665 A P = 2.832 W PF = 1.000

Freq=0.00 Hz

GBT5702

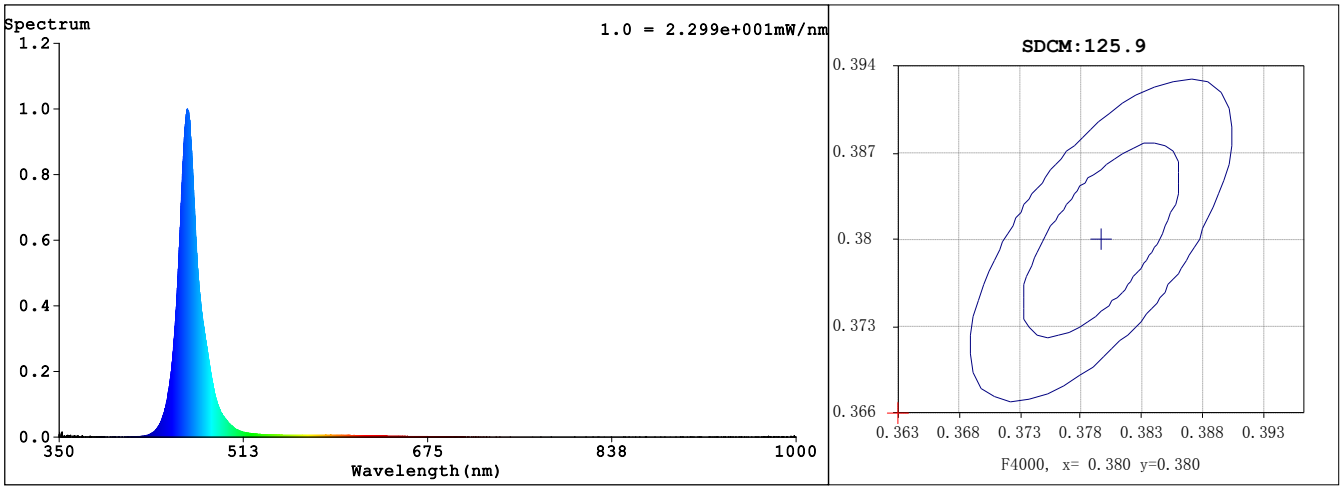
Spectrum Test Report

Sample	:	Date	: 2026-04-09
Specification	: S010060CA4SA1 B	Sam. Status	: 1M
Sample No.	: 10104-0222-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 39522 (60%)
Test Mode	: Fast Test	T	: 266 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.1420 y = 0.0664 / u' = 0.1617 v' = 0.1702 (duv=-1.54e-01)

CCT>=100000K Prcp WL: Ld=467.9nm Purity=93.8%

Peak WL: Lp=463nm FWHM: =17.6nm Ratio:R=3.2% G=24.8% B=72.1%

Render Index: Ra = 8.5 TM30:Rf=0 Rg=210

R1 =30	R2 =0	R3 =0	R4 =0	R5 =39	R6 =0	R7 =0	
R8 =0	R9 =0	R10=0	R11=0	R12=0	R13=10	R14=0	R15=29

LEVEL:OUT

TLCI Parameters: TLCI = 3.5

Photometric & Radiometric Parameters

Flux = 41.005 lm Eff. : 14.38 lm/W Fe = 543.23 mW

EEI: 0.37304 B

EEC: 14.4 G

Electrical parameters

V = 4.999 V I = 0.5704 A P = 2.852 W PF = 1.000

Freq=0.00 Hz

GBT5702

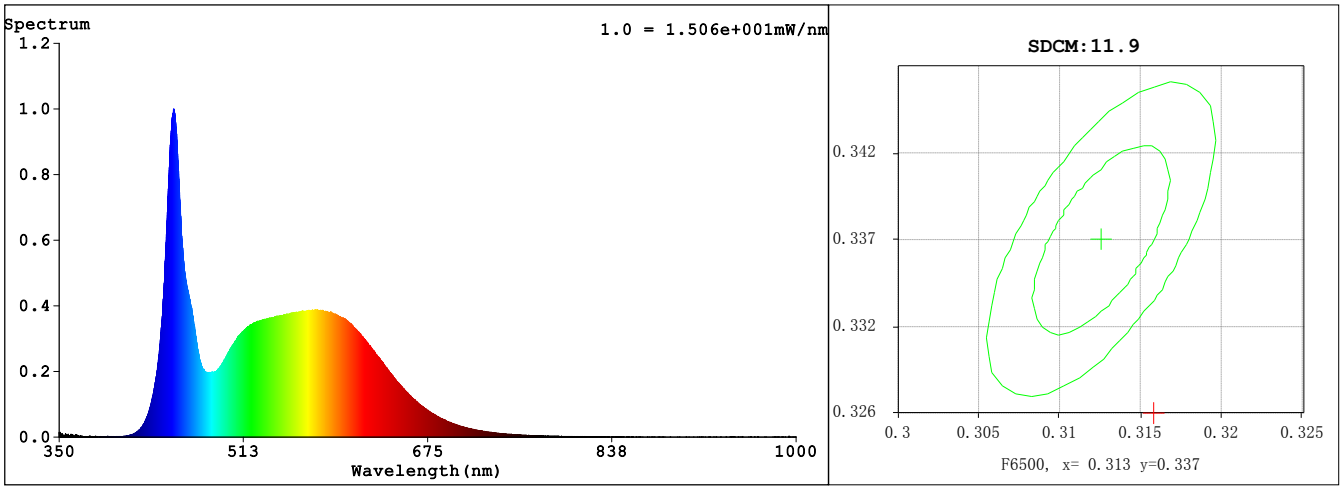
Spectrum Test Report

Sample	:	Date	: 2026-04-09
Specification	: S010060CA4SA1 6500±400K	Sam. Status	: 1M
Sample No.	: 10104-0222-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 51658 (79%)
Test Mode	: Fast Test	T	: 592 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.3162 y = 0.3225 / u' = 0.2028 v' = 0.4653 (duv=-1.99e-03)

CCT= 6356K Prcp WL: Ld=483.1nm Purity=6.7%

Peak WL: Lp=451nm FWHM: =17.8nm Ratio:R=14.5% G=79.9% B=5.7%

Render Index: Ra = 86.0 TM30:Rf=84 Rg=96

R1 =86 R2 =91 R3 =91 R4 =87 R5 =86 R6 =84 R7 =89

R8 =74 R9 =23 R10=76 R11=86 R12=60 R13=88 R14=95 R15=83

LEVEL:OUT

TLCI Parameters: TLCI = 72.7

Photometric & Radiometric Parameters

Flux = 379.90 lm Eff. : 71.48 lm/W Fe = 1.2485 W

EEI: 0.14858 A+

EEC: 71.5 G

Electrical parameters

V = 4.999 V I = 1.063 A P = 5.314 W PF = 1.000

Freq=0.00 Hz

GBT5702

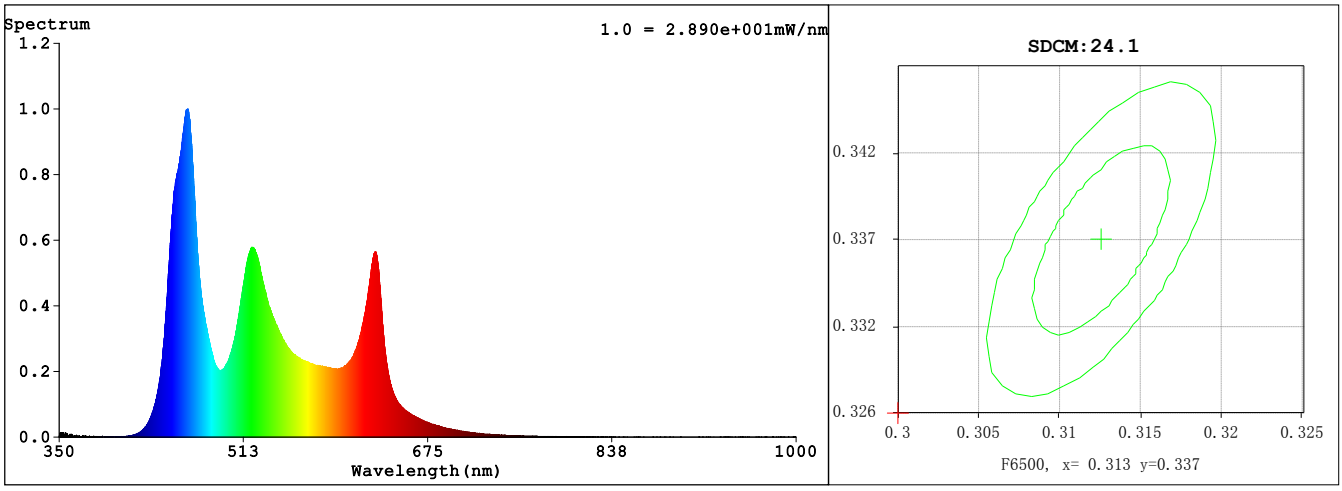
Spectrum Test Report

Sample	:	Date	: 2026-04-09
Specification	: S010060CA4SA1 Mixed	Sam. Status	: 1M
Sample No.	: 10104-0222-00	Instrument	: HAAS-2000(EVERFINE)
Manufacturer	:	Test by	: LZN

Test Condition

Temperature	: 25.3 ℃	RH	: 65.0%
WL Range	: 350nm-1000nm	IP	: 55379 (85%)
Test Mode	: Fast Test	T	: 296 ms
		Sensitivity	: High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: x = 0.2797 y = 0.3004 / u' = 0.1851 v' = 0.4472 (duv=6.83e-03)

CCT= 9485K Prcp WL: Ld=483.4nm Purity=20.9%

Peak WL: Lp=464nm FWHM: =27.1nm Ratio:R=16.1% G=75.9% B=8.0%

Render Index: Ra = 88.9 TM30:Rf=85 Rg=103

R1 =84 R2 =93 R3 =95 R4 =90 R5 =90 R6 =92 R7 =88

R8 =79 R9 =38 R10=86 R11=84 R12=64 R13=84 R14=95 R15=79

LEVEL:OUT

TLCI Parameters: TLCI = 86.5

Photometric & Radiometric Parameters

Flux = 663.11 lm Eff. : 53.61 lm/W Fe = 2.4061 W

EEI: 0.22428 A

EEC: 53.6 G

Electrical parameters

V = 4.999 V I = 2.474 A P = 12.37 W PF = 1.000

Freq=0.00 Hz

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